

1/23

10	20	30	40	50	60
TCATGTTTCA	CGGAACGACG	AATTTATCCC	GTCGTTTCTT	CCTTTCCGTT	TTAACTCATA
70	80	90	100	110	120
TCTCTTCCTG	GATCCTTCAG	AGCTCTTGTC	AATTCCTCAC	GTTTTTTTTT	GTTTTTTCGT
130	140	150	160	170	180
CGTTTAATTG	TGGAAACACA	TATCCGTCCT	CTTTGAAACA	GCATCAGAAA	ACTTTCTGCT
190	200	210	220	230	240
CTCCGTGTCC	TTCTACTTAC	TCTGATTGCC	TTAGTTAGTC	ACATCGCAAG	CAACAACATA
250	260	270	280	290	300
CTGCCAATGG	GAGGAGCCAG	TTGGAGCAGG	GTGCGTGCTC	GGTGCTCTTT	TCAGAAGGTT
310	320	330	340	350	360
TTCTCTTGTC	CCAGCATGCT	TTTTTGAGGC	TGTGTCATCA	CAATGAACAT	GTGTGAGTTC
370	380	390	400	410	420
ATCCGTCTGG	ATTATTCTTT	TTCTTACGTC	TTCTGAGTAC	TTCATACTTT	CCAAATTTTT
430	440	450	460	470	480
CAACTGAACT	TTTCTTCTTT	TCTCATTGAA	GTGGTTTGGT	TTTGGTCGCG	TGATCAACGG
490	500	510	520	530	540
ATCCTACTTT	TTTGAAACAA	AATGTTTTTG	AAGTTTCACA	GA CTGATTTC	GGGGTTTTTT
550	560	570	580	590	600
CAAAGAATAT	ATTCCCTCTC	GAGCAAGAGA	AAATTCCAGA	AAATAGTAGT	TTTTTTCAAT
610	620	630	640	650	660
TAGTCGTTTC	ATTTGTACTA	GCTAAAAAAC	TTGCAACTTA	TGGCTTTAAA	ACATGTGTTG
670	680	690	700	710	720
GCTTCATACA	AAAACATTTA	ACTAGTGTTT	TTCCAGTTTT	GTGTTTCGTT	CATTTTCTCA
730	740	750	760	770	780
CCAAACTGAC	AATAATTACT	TTCTGTGAAC	GTGTTTTGTA	GGCAAGCTCC	CGAATATTTT
790	800	810	820	830	840
TTTCTCTTCT	CACGTCTTGT	TATTTTCTCG	ATTTTATTTT	CTGAATCTGT	GCGGTTTTCA
850	860	870	880	890	900
ATCAATTTGA	TTGCGATAAT	TATTCTATCA	GAAATATATT	TTCAGAAATC	CAAATACTCC
910	920	930	940	950	960
AGGTGCCAAT	GCGGTGAAAG	AAAATTATGA	AGTTTATTCC	TGAAATCACA	CTACTCTTGC
970	980	990	1000	1010	1020
TTTTATTTGT	AACTCTACA	CAGGTTAGTT	GGTTGATTCT	AGATCTCTTG	CCTCCTAGCT
1030	1040	1050	1060	1070	1080
TGCAAGGATA	ATATAATTGA	ATTGTTTTTG	AGGAGTGCAA	AGATTGAATA	GTTTTCTATA
1090	1100	1110	1120	1130	1140
TTTAGGCTAA	AGGAAAACGA	CGGAAATGTC	CGGAGGGTGC	GTGGTCGGAA	GGAAAGATTA

Fig. 1

2/23

1150	1160	1170	1180	1190	1200
TGAACACGAT	CATGAGCAAC	TACACGAAAA	TGTTGCCCGA	CGCGGAGGAC	AGCGTACAAG
1210	1220	1230	1240	1250	1260
TTAATATTGA	GATTCATGTA	CAGGTTGGTA	GACTCTATAA	TTGCACACCA	ATATGTGAAA
1270	1280	1290	1300	1310	1320
GTTTTCTTTA	AAATTAAACT	GCTGTAAATG	ACTTTTGAAT	AAGTTTATCA	GATAGAAATT
1330	1340	1350	1360	1370	1380
GTCTGAACTT	TTCGATTCAA	ACTTTCCGAA	CTTCAAAGCG	GTTCCAAATT	ACTCACTTCC
1390	1400	1410	1420	1430	1440
ATTTATCTCT	TTGCTACAAT	TTCTCCCACA	AAGCCTTTTT	CTTCATTTAA	CGTTCTTTTT
1450	1460	1470	1480	1490	1500
TATGTCGTTG	TTCTTACAAA	CAATTTTCGTC	TCCTTGATGA	ACTGCTTGAA	CTGAGAATAG
1510	1520	1530	1540	1550	1560
TCACATGAGG	ATAAATTTGA	TGGAATGACA	AGTTTTGTGC	CCAGAAGGCA	GTTTTGCACT
1570	1580	1590	1600	1610	1620
GAACTTGTTT	AGTTGCAGAC	ACATCTCAAA	ACACAGAAGA	TGAGTGGAAA	ACTAGTGAGA
1630	1640	1650	1660	1670	1680
GACTGCCAAA	AGTCGAAGGG	ATAATGAAAA	TTTGTTGCAA	ATGAATTCTG	CGAAGTTATG
1690	1700	1710	1720	1730	1740
TGAAAAATTA	TTGGATTGGG	AGTTGTGGGA	GTGAAGAGAT	GGGTCAAAAG	CCATCAATCT
1750	1760	1770	1780	1790	1800
TGAATGCTTC	GGTCAAAGAT	TTGTTTCTCA	TATGTTTACA	ACACTGAAAA	CAATCTATCC
1810	1820	1830	1840	1850	1860
TAGAAATGTT	TGAACCACCC	TCTAAAGTCC	TTCCGTATAT	TTTTTTCATCT	TTATACCGAC
1870	1880	1890	1900	1910	1920
CAGAATTCAA	GAGTTGTTTG	AAATAACTTC	CTCTTTTTTTG	GAGAATATGT	ACTCAGATTT
1930	1940	1950	1960	1970	1980
TTACATTCAA	AATTTATATA	TTTTCAAATA	GAAAAAGTGC	CAAGTACCAG	AAACTTTTAT
1990	2000	2010	2020	2030	2040
CAAGTTGGCG	GCACTTTGGA	GAGTGAATTT	GATGAAAAAG	TGTTTGATAA	GTTTGTCGGG
2050	2060	2070	2080	2090	2100
CAAACCTGGTC	CCCTGGGTGG	GGAAATGGTG	GCATTTTTTG	AAACATTTTC	ATAGTCGAAG
2110	2120	2130	2140	2150	2160
AAGTGGAACA	AGAAAATTGG	AAAATAGAGA	TACATATGTA	TATGAAAATA	GAATTGAACA
2170	2180	2190	2200	2210	2220
GGAACCTATT	TTTATTTTCA	GGATATGGGA	AGCTTGAATG	AAATATCATC	CGACTTTGAA
2230	2240	2250	2260	2270	2280
ATTGACATTT	TATTCACCTCA	ACTGTGGCAT	GACTCGGCAC	TTTCTTTTGC	TCATCTTCCG

Fig. 1 (cont'd)

3/23

2290	2300	2310	2320	2330	2340
GCTTGTAAGC	GGTAAGAAAT	CTTTGTATTA	GAAGGGAAAA	ATATTTAAAT	TAATGAAATT
2350	2360	2370	2380	2390	2400
TCAGAAATAT	CACAATGGAA	ACACGACTTT	TACCTAAGAT	TTGGTCTCCA	AACACGTGTA
2410	2420	2430	2440	2450	2460
TGATTAATTC	AAAACGAACA	ACCGTCCATG	CATCACCATC	GGAAAATGTG	ATGGTTATTC
2470	2480	2490	2500	2510	2520
TGTACGAGGT	ATGATTTTTG	ATTTTGTGAC	GTCACAAACA	GAGCATGTCT	AAGGGCATGT
2530	2540	2550	2560	2570	2580
TGTAGCAAGA	AAAAAACGGA	TTCTTGTCTC	TGTCGACGTT	TCCTAAGTAT	TGTGAATTAT
2590	2600	2610	2620	2630	2640
TTATAATACA	TCACTCTAAT	TACGTGAATA	CTTACACCTT	TAAGTGGGTG	AAGGATAAAA
2650	2660	2670	2680	2690	2700
TAGAGAAGGA	GACGTTGAAA	AAGCTCTTCG	GTAGATTAAA	GAGTCTAGAA	TCGACATATG
2710	2720	2730	2740	2750	2760
TATTCATGTT	TCTCGGTTCA	GGGAAATAAG	TGATTTTGGC	GAAAAAGAGT	TAGACGACAT
2770	2780	2790	2800	2810	2820
TTTTTAGAAA	ACTAAACTA	TATTCTCGAA	CCCAAATCAG	TCTAATGGTT	TTCAGCAAAA
2830	2840	2850	2860	2870	2880
AGTATGAAAT	ATACAATGTT	TGTTTCAGAA	TACCCAGTAC	AAAATTTGAA	GTTTTTCAGA
2890	2900	2910	2920	2930	2940
ATGGAACAGT	CTGGATTAAC	CATCGTCTTA	GTGTCAAATC	ACCTTGCAAT	TTGGATCTGA
2950	2960	2970	2980	2990	3000
GACAGTTTCC	TTTCGATACT	CAAACCTGCA	TATTAATCTT	TGAATCCTAT	AGTCATAACT
3010	3020	3030	3040	3050	3060
CAGAAGAAGT	TGAACTTCAT	TGGATGGAAG	AAGCTGTCAC	ATTAATGAAG	CCAATTCAAC
3070	3080	3090	3100	3110	3120
TTCCTGACTT	TGATATGGTT	CATTATTCAA	CTAAAAAGGA	AACTTTACTC	TATCCAAACG
3130	3140	3150	3160	3170	3180
GGTACTGGGA	TCAGCTTCAA	GTTACTTTCA	CTTTCAAACG	ACGATATGGA	TTCTATATTA
3190	3200	3210	3220	3230	3240
TTCAAGCCTA	TGTTCCAACA	TATCTTACAA	TCATTGTATC	TTGGGTTTCA	TTCTGCATGG
3250	3260	3270	3280	3290	3300
AACCAAAAGC	TCTGCCGGCA	AGAACAACCTG	TCGGAATCTC	ATCTCTTCTA	GCTCTTACTT
3310	3320	3330	3340	3350	3360
TCCAGTTTGG	AAATATTTTG	AAAAATCTTC	CAAGGGTTTC	ATATGTGAAA	GGTTTGTTTT
3370	3380	3390	3400	3410	3420
TTTTCTTTTT	CAAACAAATA	AAAAAAAAGA	TAAACAAATA	TTTGTTTCAG	CAATGGATGT

Fig. 1 (cont'd)

4/23

3430	3440	3450	3460	3470	3480
GTGGATGCTT	GGATGCATAT	CATTTGTCTT	CGGAACCATG	GTAGAATTGG	CATTTGTTTG
3490	3500	3510	3520	3530	3540
TTACATTTCC	CGTTGTCAGA	ACAGCGTAAG	AAAGTGAGTT	GGCATAAGAG	TTTTCTCACG
3550	3560	3570	3580	3590	3600
TGGAGGGAAG	TAATTAAATT	TTGGGTGTCA	TATGAAAATA	TCAAAAACAA	TATCAGGAAA
3610	3620	3630	3640	3650	3660
TTGAATTTCA	CTATGATTTC	GTAGTAAACA	AATTACAGCG	CGGAACGACG	ACGGGAACGA
3670	3680	3690	3700	3710	3720
ATGAGAAATT	CTCAGGTGTG	GGCAAACGGA	TCGTGTAGAA	CTAGAAGCAA	CGGGTATGCA
3730	3740	3750	3760	3770	3780
AACGGGGGAT	CTGTAATCTC	ACATTATCAT	CCAACAAGCA	ATGGAAATGG	GAATAATAAT
3790	3800	3810	3820	3830	3840
CGACATGATA	CACCTCAAGT	TACTGGAAGG	TTAGCAATCT	CTATGATAGC	ATTTATCAAT
3850	3860	3870	3880	3890	3900
TATTAAAGAA	CTCTGGAATT	AGTTTTTTAAA	GTATAAATAA	ATCTCTATTT	CTTGCGACCT
3910	3920	3930	3940	3950	3960
ACATTGAACT	TAATAGTTAT	GTTTTACAGA	GGATCACTTC	ATCGAAACGG	GCCACCATCT
3970	3980	3990	4000	4010	4020
CCATTAAACC	TTCAAATGAC	TACATTTGAT	TCGGAGATCC	CTCTGACTTT	TGATCAGGTG
4030	4040	4050	4060	4070	4080
AGTCTTACAT	TGAGTTCAAA	CTTTTTTGAAT	TTAAGCGTTC	TATCTGATAA	AGTTCTTCGG
4090	4100	4110	4120	4130	4140
TGGTTTTATA	ATTTTTTGATT	CATAAACTTA	CCCACTCCTT	TCTCACTAAC	ATTTTACCCT
4150	4160	4170	4180	4190	4200
G TTCAGCTGC	CAGTTTCCAT	GGAATCCGAT	AGACCCCTGA	TTGAAGAGGT	AACTGTGAAA
4210	4220	4230	4240	4250	4260
G TAGTCAATT	AATTCCCTGT	GTTTCTACCC	CACTCAATCC	TTTTGTATTT	TTTGTTTCAGT
4270	4280	4290	4300	4310	4320
CTATCCACTA	TCAATGTCTT	ATCACCTCTA	GATACTGTTT	AGAAGAAAAT	ATTGTTTACA
4330	4340	4350	4360	4370	4380
GTTATGGAAA	TCACATATAC	TTTGTTCTGG	AATTGTATAT	GTATGCTTTG	AAAAAGCACA
4390	4400	4410	4420	4430	4440
TTAGAATACT	ACAAACATTA	GTTTCCATCA	GATTTTTTGAT	TTATCAAAAC	CGTTATATTA
4450	4460	4470	4480	4490	4500
GACACTCTTA	AGTTATCATA	TTCTAATTTT	CAAGAATGTT	ATATTTTGA	GAAGCCGGTG
4510	4520	4530	4540	4550	4560
ATTGTCAAAA	AGATTGAAAA	CTCCGAGTTT	CTATATATGC	GAAATTTTCA	CTTCAGCCCA

Fig. 1 (cont'd)

5/23

4570	4580	4590	4600	4610	4620
CACACACACA	CACACATTCA	CGAAACTTTG	TGTTGTTTAT	GTTACTTATA	TGTTATCTTT
4630	4640	4650	4660	4670	4680
TCTGTCTGAT	CATGGTTTTTC	GGACTGAAAT	TGTGTTAATC	GGAAGTTATA	TGTGAGCCAC
4690	4700	4710	4720	4730	4740
ATTGATTAAA	CCTGTGAGAG	ATGCCCATTT	GTACTCATTT	TACGACTGTC	TCATGTCCAA
4750	4760	4770	4780	4790	4800
ACACCATGTT	TATTGTAATT	ACCAGGCTAC	TATTTGCAGA	TGCGATCAAC	ATCACCACCT
4810	4820	4830	4840	4850	4860
CCACCATCTG	GATGTCTGGC	CAGATTCCAT	CCGGAAGCAG	TGGACAAATT	CTCCATTGTA
4870	4880	4890	4900	4910	4920
GCTTTTCCAT	TGGCATTTAC	AATGTTTAAT	GTTAGTTAAT	CCACAGTTAA	AAATTCCCAT
4930	4940	4950	4960	4970	4980
AATCATAAAT	ATCTCGACTT	TTCAGCTTGT	CTACTGGTGG	CACTATTTGT	CTCAAACCTT
4490	5000	5010	5020	5030	5040
CGATCAAAAC	TATCAGTGAT	TGAAGTTTAT	CCCTTTTAAT	TCCAATAATT	CACAGTTGCC
5050	5060	5070	5080	5090	5100
GGTATCTACC	TCCATTCTTT	TCCGATGATT	CGCAGTTTTT	CACAGGGTTC	AAATGTATCT
5110	5120	5130	5140	5150	5160
CGTTCAATCT	TTTTATGGTT	ATTTCTCTTG	AATGTCCATT	TTAATATTTA	TAGAACACTT
5170	5180	5190	5200	5210	5220
TTATGTACAT	TGTGTTGGTA	TTCAATTCGA	AAAACAATGA	AATTTATTTC	TAAATAACTG
5230	5240	5250	5260	5270	5280
CGTTTCTGGG	GTTTCTATCA	GCACTTACTA	GCTGACAAAA	ACTTTTCCGT	ATTCGGAATT
5290	5300	5310	5320	5330	5340
AGATTTTTAT	GCAAGCAATG	TTTCATTTTT	ACACAGTATA	GTATTTATTC	TTACTTTTGA
5350	5360	5370	5380	5390	5400
TTATATTGCT	CGCACCTTAA	ATGACAGGTA	TTAGAAATTA	ACCGCTTTTC	AGAGTATTTT
5410	5420	5430	5440	5450	5460
TAATCTTCTT	AGTACTAGTT	TAGTTCTTTA	AATAAGAAAC	CATCTAGTTT	TTCATTATCA
5470	5480	5490	5500	5510	5520
CTCAACTTCA	GTCGGACAAA	TTTTAAATTT	TTTACTCGAT	AAAAAAATTT	TATAATTGAG
5530	5540	5550			
ACAAATTATG	TCTTCTCATT	TTTGATCGCT			

Fig. 1 (cont'd)

6/23

10	20	30	40	50
ATGAAGTTTA	TTCCTGAAAT	CACACTACTC	TTGCTTTTAT	TTGTACACTC
60	70	80	90	100
TACACAGGCT	AAAGGAAAAC	GACGGAAATG	TCCGGAGGGT	GCGTGGTCGG
110	120	130	140	150
AAGGAAAGAT	TATGAACACG	ATCATGAGCA	ACTACACGAA	AATGTTGCCC
160	170	180	190	200
GACGCGGAGG	ACAGCGTACA	AGTTAATATT	GAGATTCATG	TACAGGATAT
210	220	230	240	250
GGGAAGCTTG	AATGAAATAT	CATCCGACTT	TGAAATTGAC	ATTTTATTCA
260	270	280	290	300
CTCAACTGTG	GCATGACTCG	GCACTTTCTT	TTGCTCATCT	TCCGGCTTGT
310	320	330	340	350
AAGCGAAATA	TCACAATGGA	AACACGACTT	TTACCTAAGA	TTTGGTCTCC
360	370	380	390	400
AAACACGTGT	ATGATTAATT	CAAAACGAAC	AACCGTCCAT	GCATCACCAT
410	420	430	440	450
CGGAAAATGT	GATGGTTATT	CTGTACGAGA	ATGGAACAGT	CTGGATTAAC
460	470	480	490	500
CATCGTCTTA	GTGTCAAATC	ACCTTGCAAT	TTGGATCTGC	GACAGTTTCC
510	520	530	540	550
TTTCGATACT	CAAACCTTGCA	TATTAATCTT	TGAATCCTAT	AGTCATAACT
560	570	580	590	600
CAGAAGAAGT	TGAACTTCAT	TGGATGGAAG	AAGCTGTCAC	ATTAATGAAG
610	620	630	640	650
CCAATTCAAC	TTCCTGACTT	TGATATGGTT	CATTATTCAA	CTAAAAAGGA
660	670	680	690	700
AACTTTACTC	TATCCAAACG	GGTACTGGGA	TCAGCTTCAA	GTTACTTTCA
710	720	730	740	750
CTTTCAAACG	ACGATATGGA	TTCTATATTA	TTCAAGCCTA	TGTTCCAACA
760	770	780	790	800
TATCTTACAA	TCATTGTATC	TTGGGTTTCA	TTCTGCATGG	AACCAAAAGC
810	820	830	840	850
TCTGCCGGCA	AGAACAACCTG	TCGGAATCTC	ATCTCTTCTA	GCTCTTACTT
860	870	880	890	900
TCCAGTTTGG	AAATATTTTG	AAAAATCTTC	CAAGGGTTTC	ATATGTGAAA
910	920	930	940	950
GCAATGGATG	TGTGGATGCT	TGGATGCATA	TCATTTGTCT	TCGGAACCAT

Fig. 2

7/23

960	970	980	990	1000
GGTAGAATTG	GCATTTGTTT	GTTACATTTC	CCGTTGTCAG	AACAGCGTAA
1010	1020	1030	1040	1050
GAAACGCGGA	ACGACGACGG	GAACGAATGA	GAAATTCTCA	GGTGTGGGCA
1060	1070	1080	1090	1100
AACGGATCGT	GTAGAACTAG	AAGCAACGGG	TATGCAAACG	GGGGATCTGT
1110	1120	1130	1140	1150
AATCTCACAT	TATCATCCAA	CAAGCAATGG	AAATGGGAAT	AATAATCGAC
1160	1170	1180	1190	1200
ATGATACACC	TCAAGTTACT	GGAAGAGGAT	CACTTCATCG	AAACGGGCCA
1210	1220	1230	1240	1250
CCATCTCCAT	TAAACCTTCA	AATGACTACA	TTTGATTTCGG	AGATCCCTCT
1260	1270	1280	1290	1300
GACTTTTGAT	CAGCTGCCAG	TTTCCATGGA	ATCCGATAGA	CCCCTGATTG
1310	1320	1330	1340	1350
AAGAGATGCG	ATCAACATCA	CCACCTCCAC	CATCTGGATG	TCTGGCCAGA
1360	1370	1380	1390	1400
TTCCATCCGG	AAGCAGTGGA	CAAATTCTCC	ATTGTAGCTT	TTCCATTGGC
1410	1420	1430	1440	1450
ATTTACAATG	TTTAATCTTG	TCTACTGGTG	GCACTATTTG	TCTCAAACCTT
1460	1470			
TCGATCAAAA	CTATCAGTGA			

Fig. 2 (cont'd)

8/23

10	20	30	40	50
MKFIPEITLL	LLLFVHSTQA	KGKRRKCPEG	AWSEGKIMNT	IMSNYTKMLP
60	70	80	90	100
DAEDSVQVNI	EIHVQDMGSL	NEISSDFEID	ILFTQLWHDS	ALSFAHLPAC
110	120	130	140	150
KRNITMETRL	LPKIWSPNTC	MINSKRRTTVH	ASPSENVMMVI	LYENGTVWIN
160	170	180	190	200
HRLSVKSPCN	LDLRQFPFDT	QTCILIFESY	SHNSEEVELH	WMEEAVTLMK
210	220	230	240	250
PIQLPDFDMV	HYSTKKETLL	YPNGYWDQLQ	VTFTFKRRYG	FYIIQAYVPT
260	270	280	290	300
YLTIIVSWVS	FCMEPKALPA	RTTVGISSLL	ALTFQFGNIL	KNLPRVSYVK
310	320	330	340	350
AMDVWMLGCI	SFVFGTMVEL	AFVCYISRCQ	NSVRNAERRR	ERMRNSQVWA
360	370	380	390	400
NGSCRTRSNG	YANGGSVISH	YHPTSNGNGN	NNRHDTQPQT	GRGSLHRNGP
410	420	430	440	450
PSPLNLQMTT	FDSEIPLTFD	QLPVSMESDR	PLIEEMRSTS	PPPPSGCLAR
460	470	480		
FHPEAVDKFS	IVAFPLAFTM	FNLVYWWHYL	SQTFDQNYQ	

Fig. 3

9/23

MOD-1 is similar
to ligand-gated ion channels

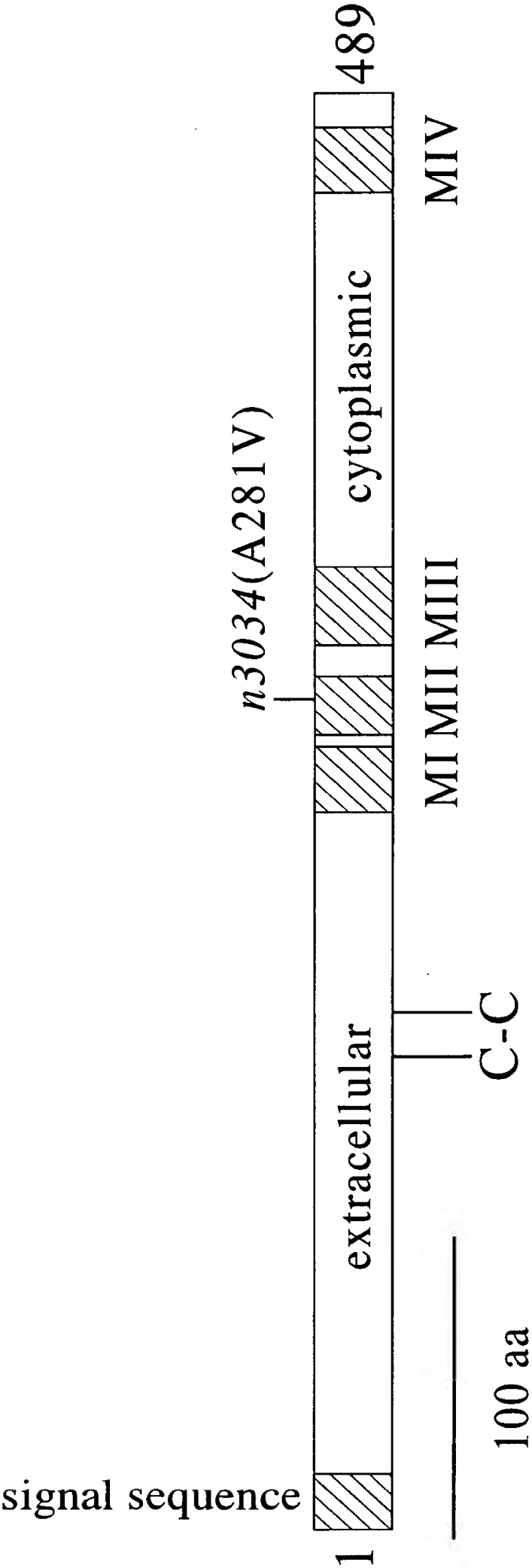
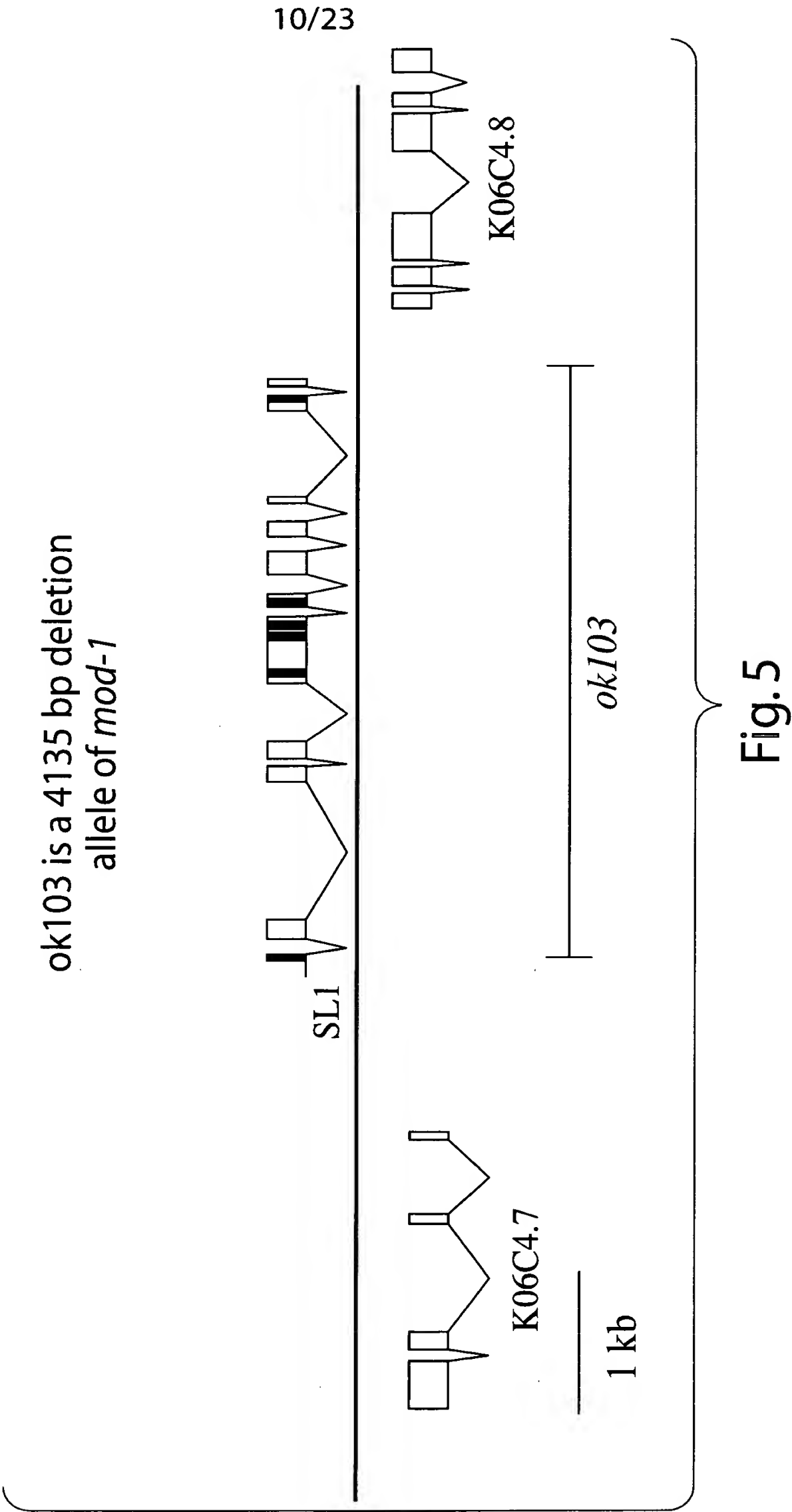


Fig. 4



11/23

10	20	30	40	50	60
TCATGTTTCA	CGGAACGACG	AATTTATCCC	GTCGTTTCTT	CCTTTCCTGTT	TTAACTCATA
70	80	90	100	110	120
TCTCTTCCTG	GATCCTTCAG	AGCTCTTGTC	AATTCCTCAC	GTTTTTTTTT	GTTTTTTCGT
130	140	150	160	170	180
CGTTTAATTG	TGGAAACACA	TATCCGTCCT	CTTTGAAACA	GCATCAGAAA	ACTTTCTGCT
190	200	210	220	230	240
CTCCGTGTCC	TTCTACTTAC	TCTGATTGCC	TTAGTTAGTC	ACATCGCAAG	CAACAATAA
250	260	270	280	290	300
CTGCCAATGG	GAGGAGCCAG	TTGGAGCAGG	GTGCGTGCTC	GGTGCTCTTT	TCAGAAGGTT
310	320	330	340	350	360
TTCTCTTG TG	CCAGCATGCT	TTTTTGAGGC	TGTGTCATCA	CAATGAACAT	GTGTGAGTTC
370	380	390	400	410	420
ATCCGTCTGG	ATTATTCTTT	TTCTTACGTC	TTCTGAGTAC	TTCATACTTT	CCAAATTTTT
430	440	450	460	470	480
CAACTGAACT	TTTCTTCTTT	TCTCATTGAA	GTGGTTTGGT	TTTGGTCGCG	TGATCAACGG
490	500	510	520	530	540
ATCCTACTTT	TTTGAAACAA	AATGTTTTTG	AAGTTTCACA	GACTGATTTC	GGGGTTTTTT
550	560	570	580	590	600
CAAAGAATAT	ATTCCCTCTC	GAGCAAGAGA	AAATTCCAGA	AAATAGTAGT	TTTTTTCAAT
610	620	630	640	650	660
TAGTCGTTTC	ATTTGTACTA	GCTAAAAAAC	TTGCAACTTA	TGGCTTTAAA	ACATGTGTTG
670	680	690	700	710	720
GCTTCATACA	AAAACATTTA	ACTAGTGTTT	TTCCAGTTTT	GTGTTCGTTT	CATTTTCTCA
730	740	750	760	770	780
CCAAACTGAC	AATAATTACT	TTCTGTGAAC	GTGTTTTGTA	GGCAAGCTCC	CGAATATTTT
790	800	810	820	830	840
TTTCTCTTCT	CACGTCTTGT	TATTTTCTCG	ATTTTATTTT	CTGAATCTGT	GCGGTTTTCA
850	860	870	880	890	900
ATCAATTTGA	TTGCGATAAT	TATTCTATCA	GAAATATATT	TTCAGAAATC	CAAATACTCC
910	920	930	940	950	960
AGGTGCCAAT	GCGGTGAAAG	AAAATTATGA	AGTTTATTCC	TGAAATCACA	CTACTCTTGC
970	980	990	1000	1010	1020
TTTTATTTGT	ACACTCTACA	CAGGTTAGTT	TCTCTTGAAT	GTCCATTTTA	ATATTTATAG
1030	1040	1050	1060	1070	1080
AACACTTTTA	TGTACATTGT	GTTGGTATTC	AATTCGAAAA	ACAATGAAAT	TTATTTCTAA
1090	1100	1110	1120	1130	1140
ATAACTGCGT	TTCTGGGGTT	TCTATCAGCA	CTTACTAGCT	GACAAAAACT	TTTCCGTATT

Fig. 6

12/23

1150	1160	1170	1180	1190	1200
CGGAATTAGA	TTTTTATGCA	AGCAATGTTT	CATTTTTTACA	CAGTATAGTA	TTTATTCTTA
1210	1220	1230	1240	1250	1260
CTTTTGATTA	TATTGCTCGC	ACCCTAAATG	ACAGGTATTA	GAAATTAACC	GCTTTTCAGA
1270	1280	1290	1300	1310	1320
GTATTTTAA	TCTTCTTAGT	ACTAGTTTAG	TTCTTTAAAT	AAGAAACCAT	CTAGTTTTTC
1330	1340	1350	1360	1370	1380
ATTATCACTC	AACTTCAGTC	GGACAAATTT	TAAATTTTTT	ACTCGATAAA	AAAATTTTAT
1390	1400	1410			
AATTCAGACA	AATTATGTCT	TCTCATTTTT	GATCGCT		

Fig. 6 (cont'd)

13/23

10	20	30	40	50	60
TCATGTTTCA	CGGAACGACG	AATTTATCCC	GTCGTTTCTT	CCTTTCCGTT	TTAACTCATA
70	80	90	100	110	120
TCTCTTCCTG	GATCCTTCAG	AGCTCTTGTC	AATTCCTCAC	GTTTTTTTTT	GTTTTTTCGT
130	140	150	160	170	180
CGTTTAATTG	TGGAAACACA	TATCCGTCCT	CTTTGAAACA	GCATCAGAAA	ACTTTCTGCT
190	200	210	220	230	240
CTCCGTGTCC	TTCTACTTAC	TCTGATTGCC	TTAGTTAGTC	ACATCGCAAG	CAACAACATA
250	260	270	280	290	300
CTGCCAATGG	GAGGAGCCAG	TTGGAGCAGG	GTGCGTGCTC	GGTGCTCTTT	TCAGAAGGTT
310	320	330	340	350	360
TTCTCTTGTG	CCAGCATGCT	TTTTTGAGGC	TGTGTCATCA	CAATGAACAT	GTGTGAGTTC
370	380	390	400	410	420
ATCCGTCTGG	ATTATTCTTT	TTCTTACGTC	TTCTGAGTAC	TTCATACTTT	CCAAATTTTT
430	440	450	460	470	480
CAACTGAACT	TTTCTTCTTT	TCTCATTGAA	GTGGTTTGGT	TTTGGTCGCG	TGATCAACGG
490	500	510	520	530	540
ATCCTACTTT	TTTGAAACAA	AATGTTTTTG	AAGTTTCACA	GACTGATTTC	GGGGTTTTTT
550	560	570	580	590	600
CAAAGAATAT	ATTCCCTCTC	GAGCAAGAGA	AAATTCCAGA	AAATAGTAGT	TTTTTTCAAT
610	620	630	640	650	660
TAGTCGTTTC	ATTTGTACTA	GCTAAAAAAC	TTGCAACTTA	TGGCTTTAAA	ACATGTGTTG
670	680	690	700	710	720
GCTTCATACA	AAAACATTTA	ACTAGTGTTT	TTCCAGTTTT	GTGTTCGTTT	CATTTTCTCA
730	740	750	760	770	780
CCAAACTGAC	AATAATTACT	TTCTGTGAAC	GTGTTTTGTA	GGCAAGCTCC	CGAATATTTT
790	800	810	820	830	840
TTTCTCTTCT	CACGTCTTGT	TATTTTCTCG	ATTTTATTTT	CTGAATCTGT	GCGGTTTTCA
850	860	870	880	890	900
ATCAATTTGA	TTGCGATAAT	TATTCTATCA	GAAATATATT	TTCAGAAATC	CAAATACTCC
910	920	930	940	950	960
AGGTGCCAAT	GCGGTGAAAG	AAAATTATGA	AGTTTATTCC	TGAAATCACA	CTACTCTTGC
970	980	990	1000	1010	1020
TTTTATTTGT	ACACTCTACA	CAGGTTAGTT	GGTTGATTCT	AGATCTCTTG	CCTCCTAGCT
1030	1040	1050	1060	1070	1080
TGCAAGGATA	ATATAATTGA	ATTGTTTTTG	AGGAGTGCAA	AGATTGAATA	GTTTTCTATA
1090	1100	1110	1120	1130	1140
TTTAGGCTAA	AGGAAAACGA	CGGAAATGTC	CGGAGGGTGC	GTGGTCGGAA	GGAAAGATTA

Fig. 7

14/23

1150	1160	1170	1180	1190	1200
TGAACACGAT	CATGAGCAAC	TACACGAAAA	TGTTGCCCGA	CGCGGAGGAC	AGCGTACAAG
1210	1220	1230	1240	1250	1260
TTAATATTGA	GATTCATGTA	CAGGTTGGTA	GACTCTATAA	TTGCACACCA	ATATGTGAAA
1270	1280	1290	1300	1310	1320
GTTTTCTTTA	AAATTAAACT	GCTGTAAATG	ACTTTTGAAT	AAGTTTATCA	GATAGAAATT
1330	1340	1350	1360	1370	1380
GTCTGAACTT	TTCGATTCAA	ACTTTC CGAA	CTTCAAAGCG	GTTCCAAATT	ACTCACTTCC
1390	1400	1410	1420	1430	1440
ATTTATCTCT	TTGCTACAAT	TTCTCC CACA	AAGCCTTTTT	CTTCATTTAA	CGTTCTTTTT
1450	1460	1470	1480	1490	1500
TATGTCGTTG	TTCTTACAAA	CAATTT CGTC	TCCTTGATGA	ACTGCTTGAA	CTGAGAATAG
1510	1520	1530	1540	1550	1560
TCACATGAGG	ATAAATTTGA	TGGAATGACA	AGTTTTGTGC	CCAGAAGGCA	GTTTTGCACT
1570	1580	1590	1600	1610	1620
GAACTTGTTT	AGTTGCAGAC	ACATCTCAAA	ACACAGAAGA	TGAGTGGAAG	ACTAGTGAGA
1630	1640	1650	1660	1670	1680
GACTGCCAAA	AGTCGAAGGG	ATAATGAAAA	TTTGTTGCAA	ATGAATTCTG	CGAAGTTATG
1690	1700	1710	1720	1730	1740
TGAAAAATTA	TTGGATTGGG	AGTTGTGGGA	GTGAAGAGAT	GGGTCAAAAG	CCATCAATCT
1750	1760	1770	1780	1790	1800
TGAATGCTTC	GGTCAAAGAT	TTGTTTCTCA	TATGTTTACA	ACACTGAAAA	CAATCTATCC
1810	1820	1830	1840	1850	1860
TAGAAATGTT	TGAACCACCC	TCTAAAGTCC	TTCCGTATAT	TTTTTTCATCT	TTATACCGAC
1870	1880	1890	1900	1910	1920
CAGAATTCAA	GAGTTGTTTG	AAATAACTTC	CTCTTTTTTTG	GAGAATATGT	ACTCAGATTT
1930	1940	1950	1960	1970	1980
TTACATTCAA	AATTTATATA	TTTTCAAATA	GAAAAAGTGC	CAAGTACCAG	AACTTTTAT
1990	2000	2010	2020	2030	2040
CAAGTTGGCG	GCACTTTGGA	GAGTGAATTT	GATGAAAAAG	TGTTTGATAA	GTTTGTCTGGG
2050	2060	2070	2080	2090	2100
CAAACCTGGT	CCCTGGGTGG	GGAAATGGTG	GCATTTTTTG	AAACATTTTC	ATAGTCGAAG
2110	2120	2130	2140	2150	2160
AAGTGAACA	AGAAAATTGG	AAAATAGAGA	TACATATGTA	TATGAAAATA	GAATTGAACA
2170	2180	2190	2200	2210	2220
GGAACCTTAT	TTTATTTTCA	GGATATGGGA	AGCTTGAATG	AAATATCATC	CGACTTTGAA
2230	2240	2250	2260	2270	2280
ATTGACATTT	TATTCACCTA	ACTGTGGCAT	GACTCGGCAC	TTTCTTTTGC	TCATCTTCCG

Fig. 7 (cont'd)

15/23

2290	2300	2310	2320	2330	2340
GCTTGTAAGC	GGTAAGAAAT	CTTTGTATTA	GAAGGGGAAAA	ATATTTTAAAT	TAATGAAATT
2350	2360	2370	2380	2390	2400
TCAGAAATAT	CACAATGGAA	ACACGACTTT	TACCTAAGAT	TTGGTCTCCA	AACACGTGTA
2410	2420	2430	2440	2450	2460
TGATTAATTTC	AAAACGAACA	ACCGTCCATG	CATCACCATC	GGAAAATGTG	ATGGTTATTC
2470	2480	2490	2500	2510	2520
TGTACGAGGT	ATGATTTTTG	ATTTTGTGAC	GTCACAAACA	GAGCATGTCT	AAGGGCATGT
2530	2540	2550	2560	2570	2580
TGTAGCAAGA	AAAAAACGGA	TTCTTGTCTC	TGTCGACGTT	TCCTAAGTAT	TGTGAATTAT
2590	2600	2610	2620	2630	2640
TTATAATACA	TCACTCTAAT	TACGTGAATA	CTTACACCTT	TAAGTGGGTG	AAGGATAAAA
2650	2660	2670	2680	2690	2700
TAGAGAAGGA	GACGTTGAAA	AAGCTCTTCG	GTAGATTAAA	GAGTCTAGAA	TCGACATATG
2710	2720	2730	2740	2750	2760
TATTCATGTT	TCTCGGTTCA	GGGAAATAAG	TGATTTTGGC	GAAAAAGAGT	TAGACGACAT
2770	2780	2790	2800	2810	2820
TTTTTAGAAA	ACTAAACTA	TATTCTCGAA	CCCAAATCAG	TCTAATGGTT	TTCAGCAAAA
2830	2840	2850	2860	2870	2880
AGTATGAAAT	ATACAATGTT	TGTTTCAGAA	TACCCAGTAC	AAAATTTGAA	GTTTTTCAGA
2890	2900	2910	2920	2930	2940
ATGGAACAGT	CTGGATTAAAC	CATCGTCTTA	GTGTCAAATC	ACCTTGCAAT	TTGGATCTGC
2950	2960	2970	2980	2990	3000
GACAGTTTCC	TTTCGATACT	CAAACCTGCA	TATTAATCTT	TGAATCCTAT	AGTCATAACT
3010	3020	3030	3040	3050	3060
CAGAAGAAGT	TGAACTTCAT	TGGATGGAAG	AAGCTGTCAC	ATTAATGAAG	CCAATTCAAC
3070	3080	3090	3100	3110	3120
TTCCTGACTT	TGATATGGTT	CATTATTCAA	CTAAAAAGGA	AACTTTACTC	TATCCAAACG
3130	3140	3150	3160	3170	3180
GGTACTGGGA	TCAGCTTCAA	GTTACTTTCA	CTTTCAAACG	ACGATATGGA	TTCTATATTA
3190	3200	3210	3220	3230	3240
TTCAAGCCTA	TGTTCCAACA	TATCTTACAA	TCATTGTATC	TTGGGTTTCA	TTCTGCATGG
3250	3260	3270	3280	3290	3300
AACCAAAAGC	TCTGCCGGCA	AGAACAACCTG	TCGGAATCTC	ATCTCTTCTA	GTTCTTACTT
3310	3320	3330	3340	3350	3360
TCCAGTTTGG	AAATATTTTG	AAAAATCTTC	CAAGGGTTTC	ATATGTGAAA	GGTTTGTTTT
3370	3380	3390	3400	3410	3420
TTTTCTTTTT	CAAACAAATA	AAAAAAAAGA	TAAACAAATA	TTTGTTTCAG	CAATGGATGT

Fig. 7 (cont'd)

16/23

3430	3440	3450	3460	3470	3480
GTGGATGCTT	GGATGCATAT	CATTTGTCTT	CGGAACCATG	GTAGAATTGG	CATTTGTTTG
3490	3500	3510	3520	3530	3540
TTACATTTCC	CGTTGTCAGA	ACAGCGTAAG	AAAGTGAGTT	GGCATAAGAG	TTTTCTCACG
3550	3560	3570	3580	3590	3600
TGGAGGGAAG	TAATTAAATT	TTGGGTGTCA	TATGAAAATA	TCAAAAACAA	TATCAGGAAA
3610	3620	3630	3640	3650	3660
TTGAATTTCA	CTATGATTTT	GTAGTAAACA	AATTACAGCG	CGGAACGACG	ACGGGAACGA
3670	3680	3690	3700	3710	3720
ATGAGAAATT	CTCAGGTGTG	GGCAAACGGA	TCGTGTAGAA	CTAGAAGCAA	CGGGTATGCA
3730	3740	3750	3760	3770	3780
AACGGGGGAT	CTGTAATCTC	ACATTATCAT	CCAACAAGCA	ATGGAAATGG	GAATAATAAT
3790	3800	3810	3820	3830	3840
CGACATGATA	CACCTCAAGT	TACTGGAAGG	TTAGCAATCT	CTATGATAGC	ATTTATCAAT
3850	3860	3870	3880	3890	3900
TATTAAAGAA	CTCTGGAATT	AGTTTTTTAA	GTATAAATAA	ATCTCTATTT	CTTGCGACCT
3910	3920	3930	3940	3950	3960
ACATTGAACT	TAATAGTTAT	GTTTTACAGA	GGATCACTTC	ATCGAAACGG	GCCACCATCT
3970	3980	3990	4000	4010	4020
CCATTAAACC	TTCAAATGAC	TACATTTGAT	TCGGAGATCC	CTCTGACTTT	TGATCAGGTG
4030	4040	4050	4060	4070	4080
AGTCTTACAT	TGAGTTCAAA	CTTTTTTGAAT	TTAAGCGTTC	TATCTGATAA	AGTTCTTCGG
4090	4100	4110	4120	4130	4140
TGGTTTTATA	ATTTTTTGATT	CATAAACTTA	CCCCTCCTT	TCTCACTAAC	ATTTTACCCT
4150	4160	4170	4180	4190	4200
GTTCACTGCT	CAGTTTCCAT	GGAATCCGAT	AGACCCCTGA	TTGAAGAGGT	AACTGTGAAA
4210	4220	4230	4240	4250	4260
GTAGTCAATT	AATTCCCTGT	GTTTCTACCC	CACTCAATCC	TTTTGTATTT	TTTGTTTCAGT
4270	4280	4290	4300	4310	4320
CTATCCACTA	TCAATGTCTT	ATCACCTCTA	GATACTGTTT	AGAAGAAAAT	ATTGTTTACA
4330	4340	4350	4360	4370	4380
GTTATGGAAA	TCACATATAC	TTTGTTCTGG	AATTGTATAT	GTATGCTTTG	AAAAAGCACA
4390	4400	4410	4420	4430	4440
TTAGAATACT	ACAAACATTA	GTTTCCATCA	GATTTTTTGAT	TTATCAAAAC	CGTTATATTA
4450	4460	4470	4480	4490	4500
GACACTCTTA	AGTTATCATA	TTCTAATTTT	CAAGAATGTT	ATATTTTGAA	GAAGCCGGTG
4510	4520	4530	4540	4550	4560
ATTGTCAAAA	AGATTGAAAA	CTCCGAGTTT	CTATATATGC	GAAATTTTCA	CTTCAGCCCA

Fig. 7 (cont'd)

17/23

4570	4580	4590	4600	4610	4620
CACACACACA	CACACATTCA	CGAAACTTTG	TGTTGTTTAT	GTTACTTATA	TGTTATCTTT
4630	4640	4650	4660	4670	4680
TCTGTCTGAT	CATGGTTTTTC	GGACTGAAAT	TGTGTTAATC	GGAAGTTATA	TGTGAGCCAC
4690	4700	4710	4720	4730	4740
ATTGATTAAA	CCTGTGAGAG	ATGCCCATTT	GTACTCATTT	TACGACTGTC	TCATGTCCAA
4750	4760	4770	4780	4790	4800
ACACCATGTT	TATTGTAATT	ACCAGGCTAC	TATTTGCAGA	TGCGATCAAC	ATCACCACCT
4810	4820	4830	4840	4850	4860
CCACCATCTG	GATGTCTGGC	CAGATTCCAT	CCGGAAGCAG	TGGACAAATT	CTCCATTGTA
4870	4880	4890	4900	4910	4920
GCTTTTCCAT	TGGCATTTAC	AATGTTTAAT	GTTAGTTAAT	CCACAGTTAA	AAATTCCCAT
4930	4940	4950	4960	4970	4980
AATCATAAAT	ATCTCGACTT	TTCAGCTTGT	CTACTGGTGG	CACTATTTGT	CTCAAACCTT
4990	5000	5010	5020	5030	5040
CGATCAAAAC	TATCAGTGAT	TGAAGTTTAT	CCCTTTTAAT	TCCAATAATT	CACAGTTGCC
5050	5060	5070	5080	5090	5100
GGTATCTACC	TCCATTCTTT	TCCGATGATT	CGCAGTTTTT	CACAGGGTTC	AAATGTATCT
5110	5120	5130	5140	5150	5160
CGTTCAATCT	TTTTATGGTT	ATTTCTCTTG	AATGTCCATT	TTAATATTTA	TAGAACACTT
5170	5180	5190	5200	5210	5220
TTATGTACAT	TGTGTTGGTA	TTCAATTCGA	AAAACAATGA	AATTTATTTC	TAAATAACTG
5230	5240	5250	5260	5270	5280
CGTTTCTGGG	GTTTCTATCA	GCACTTACTA	GCTGACAAAA	ACTTTTCCGT	ATTCGGAATT
5290	5300	5310	5320	5330	5340
AGATTTTTAT	GCAAGCAATG	TTTCATTTTT	ACACAGTATA	GTATTTATTTC	TTACTTTTGA
5350	5360	5370	5380	5390	5400
TTATATTGCT	CGCACCTTAA	ATGACAGGTA	TTAGAAATTA	ACCGCTTTTC	AGAGTATTTT
5410	5420	5430	5440	5450	5460
TAATCTTCTT	AGTACTAGTT	TAGTTCTTTA	AATAAGAAAC	CATCTAGTTT	TTCATTATCA
5470	5480	5490	5500	5510	5520
CTCAACTTCA	GTCGGACAAA	TTTTAAATTT	TTTACTCGAT	AAAAAAATTT	TATAATTCAG
5530	5540	5550			
ACAAATTATG	TCTTCTCATT	TTTGATCGCT			

Fig. 7 (cont'd)

18/23

10	20	30	40	50	60
ATGAAGTTTA	TTCCTGAAAT	CACACTACTC	TTGCTTTTAT	TTGTACACTC	TACACAGGCT
70	80	90	100	110	120
AAAGGAAAAC	GACGGAAATG	TCCGGAGGGT	GCGTGGTCGG	AAGGAAAGAT	TATGAACACG
130	140	150	160	170	180
ATCATGAGCA	ACTACACGAA	AATGTTGCCC	GACGCGGAGG	ACAGCGTACA	AGTTAATATT
190	200	210	220	230	240
GAGATTCATG	TACAGGATAT	GGGAAGCTTG	AATGAAATAT	CATCCGACTT	TGAAATTGAC
250	260	270	280	290	300
ATTTTATTCA	CTCAACTGTG	GCATGACTCG	GCACTTTCTT	TTGCTCATCT	TCCGGCTTGT
310	320	330	340	350	360
AAGCGAAATA	TCACAATGGA	AACACGACTT	TTACCTAAGA	TTTGGTCTCC	AAACACGTGT
370	380	390	400	410	420
ATGATTAATT	CAAAACGAAC	AACCGTCCAT	GCATCACCAT	CGGAAAATGT	GATGGTTATT
430	440	450	460	470	480
CTGTACGAGA	ATGGAACAGT	CTGGATTAAC	CATCGTCTTA	GTGTCAAATC	ACCTTGCAAT
490	500	510	520	530	540
TTGGATCTGC	GACAGTTTCC	TTTCGATACT	CAAACCTTGCA	TATTAATCTT	TGAATCCTAT
550	560	570	580	590	600
AGTCATAACT	CAGAAGAAGT	TGAACTTCAT	TGGATGGAAG	AAGCTGTCAC	ATTAATGAAG
610	620	630	640	650	660
CCAATTCAAC	TTCCTGACTT	TGATATGGTT	CATTATTCAA	CTAAAAAGGA	AACTTTACTC
670	680	690	700	710	720
TATCCAAACG	GGTACTGGGA	TCAGCTTCAA	GTTACTTTCA	CTTTCAAACG	ACGATATGGA
730	740	750	760	770	780
TTCTATATTA	TTCAAGCCTA	TGTTCCAACA	TATCTTACAA	TCATTGTATC	TTGGGTTTCA
790	800	810	820	830	840
TTCTGCATGG	AACCAAAAGC	TCTGCCGGCA	AGAACAACCTG	TCGGAATCTC	ATCTCTTCTA
850	860	870	880	890	900
GTTCTTACTT	TCCAGTTTGG	AAATATTTTG	AAAAATCTTC	CAAGGGTTTC	ATATGTGAAA
910	920	930	940	950	960
GCAATGGATG	TGTGGATGCT	TGGATGCATA	TCATTTGTCT	TCGGAACCAT	GGTAGAATTG
970	980	990	1000	1010	1020
GCATTTGTTT	GTTACATTTT	CCGTTGTCAG	AACAGCGTAA	GAAACGCGGA	ACGACGACGG
1030	1040	1050	1060	1070	1080
GAACGAATGA	GAAATTCTCA	GGTGTGGGCA	AACGGATCGT	GTAGAACTAG	AAGCAACGGG
1090	1100	1110	1120	1130	1140
TATGCAAACG	GGGGATCTGT	AATCTCACAT	TATCATCCAA	CAAGCAATGG	AAATGGGAAT

Fig. 8

19/23

1150	1160	1170	1180	1190	1200
AATAATCGAC	ATGATACACC	TCAAGTTACT	GGAAGAGGAT	CACTTCATCG	AAACGGGCCA
1210	1220	1230	1240	1250	1260
CCATCTCCAT	TAAACCTTCA	AATGACTACA	TTTGATTTCGG	AGATCCCTCT	GACTTTTGAT
1270	1280	1290	1300	1310	1320
CAGCTGCCAG	TTTCCATGGA	ATCCGATAGA	CCCCTGATTG	AAGAGATGCG	ATCAACATCA
1330	1340	1350	1360	1370	1380
CCACCTCCAC	CATCTGGATG	TCTGGCCAGA	TTCCATCCGG	AAGCAGTGGA	CAAATTCTCC
1390	1400	1410	1420	1430	1440
ATTGTAGCTT	TTCCATTGGC	ATTTACAATG	TTTAATCTTG	TCTACTGGTG	GCACTATTTG
1450	1460	1470			
TCTCAAACCTT	TCGATCAAAA	CTATCAGTGA			

Fig. 8 (cont'd)

20/23

The Mod-1 Channel is Activated by Serotonin

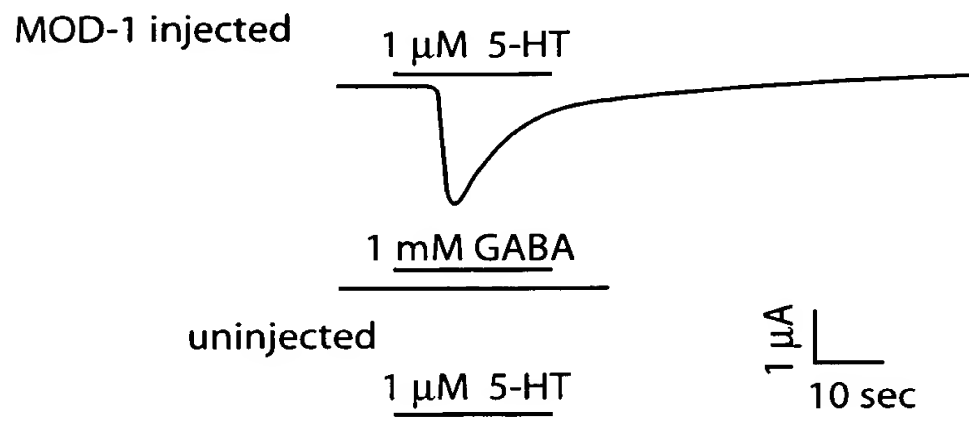


Fig. 9A

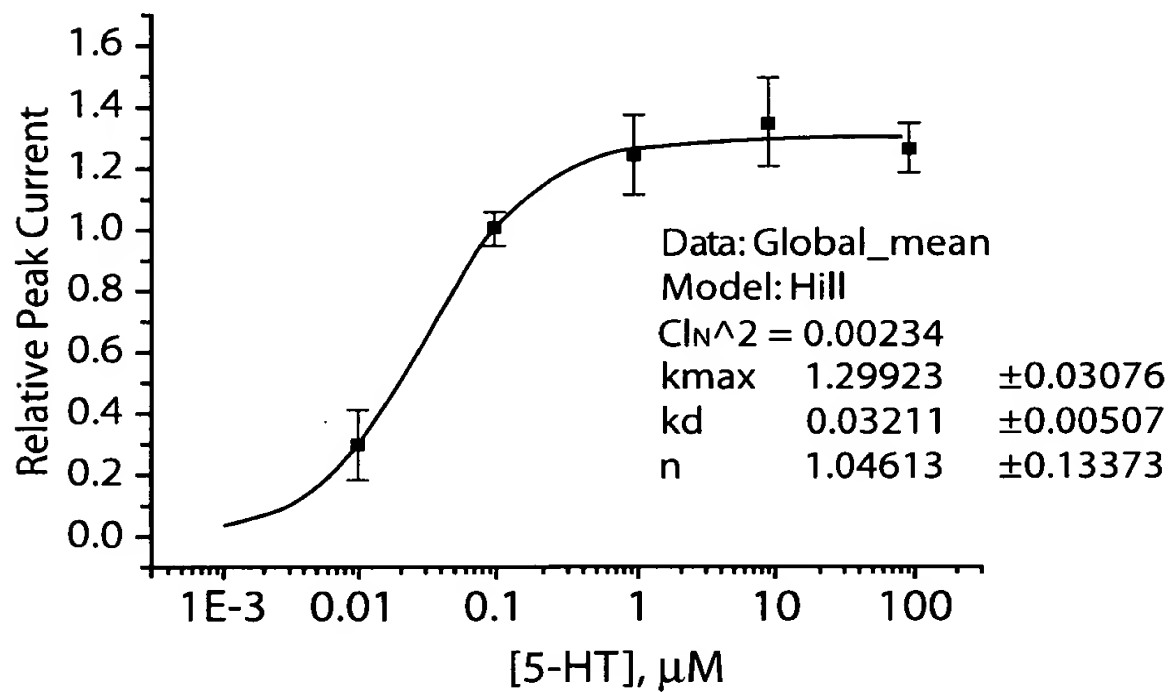


Fig. 9B

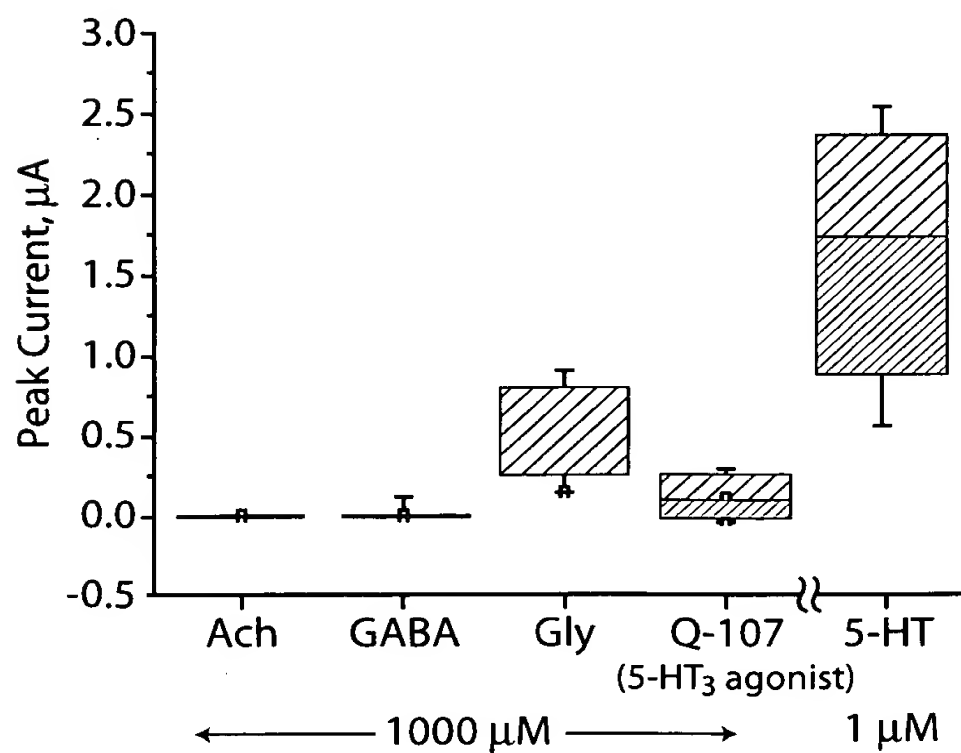


Fig. 9C

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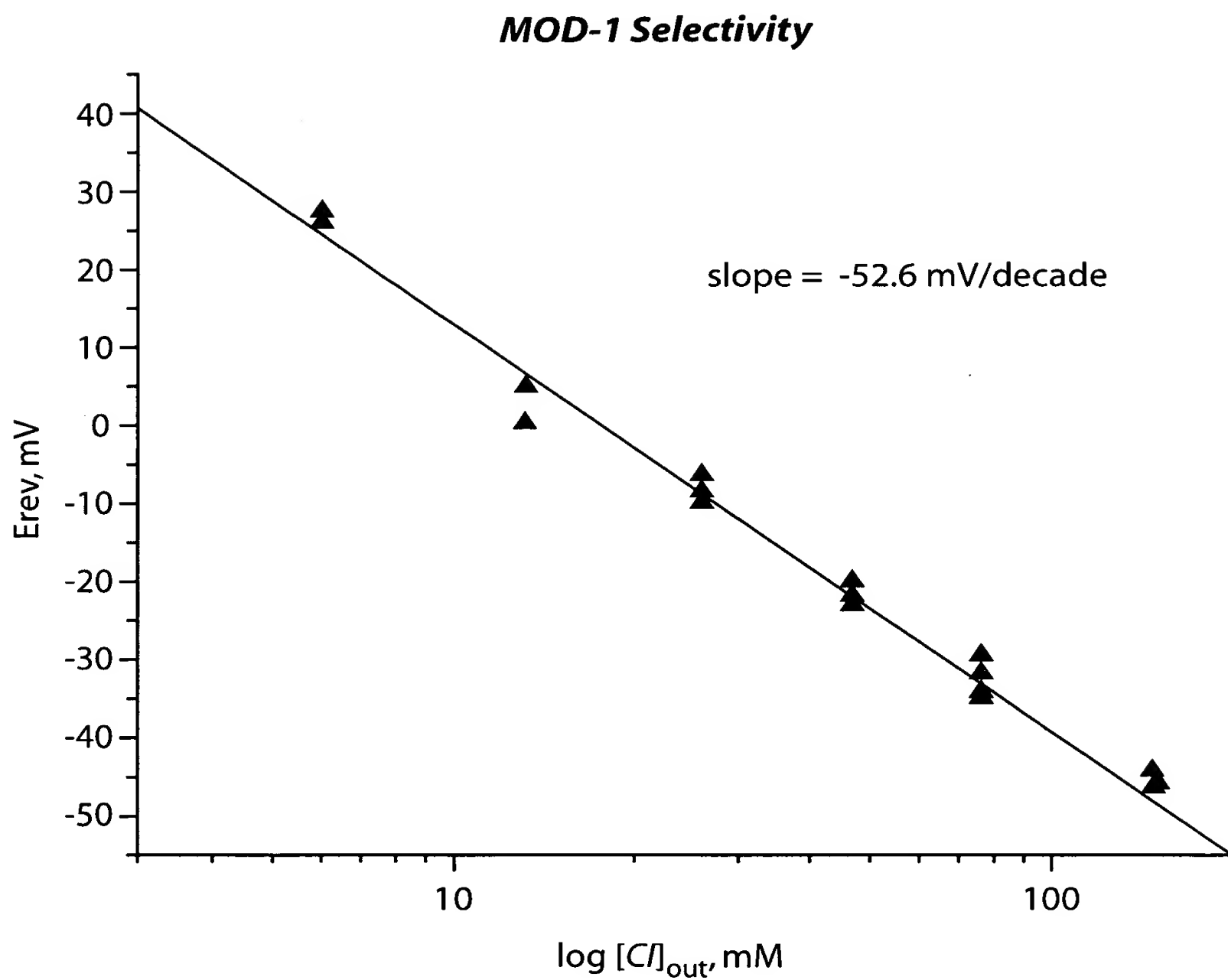


Fig. 10

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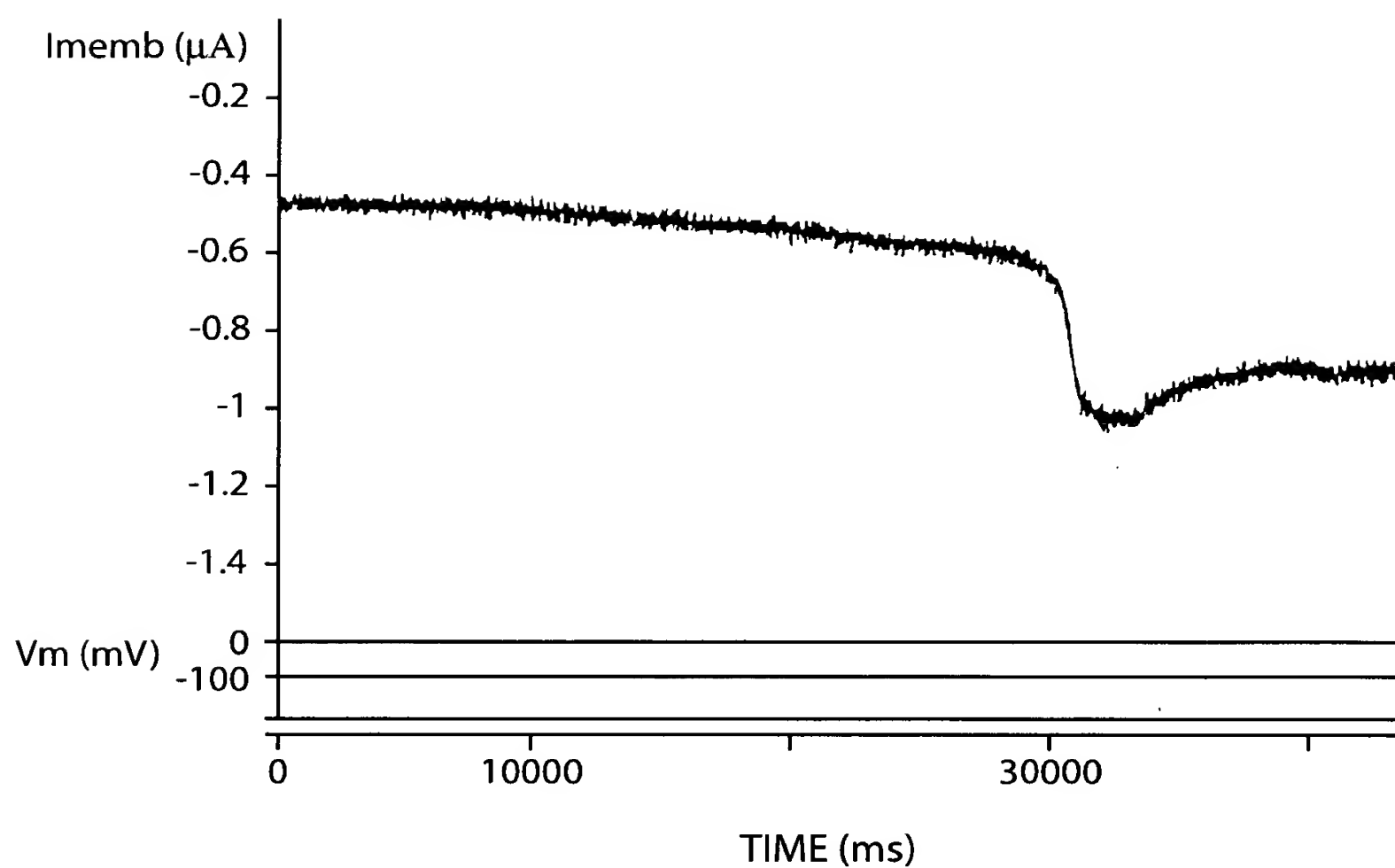
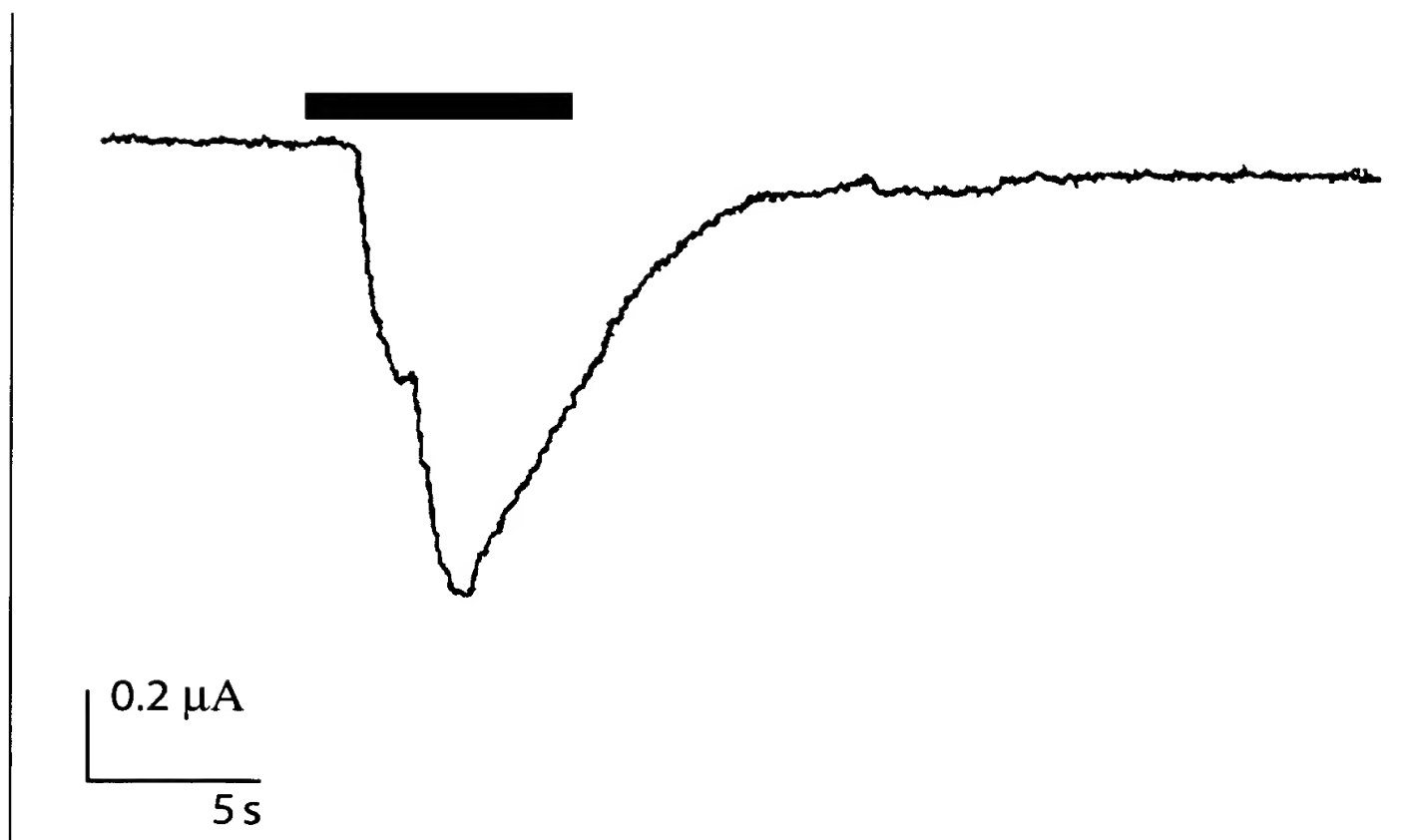


Fig. 11

23/23



Oocyte injected with rat cortex poly(A)+ RNA.
Membrane potential -70 mV. 1 μ M 5-HT applied (bar)
Oocyte was pretreated with 0.2 mM BAPTA-AM for 2 hours.
The bath solution contained 2 mM Co^{2+} to block 5-HT_{3a} responses.

Fig. 12